(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 23 December 2004 (23.12.2004)

PCT

(10) International Publication Number WO 2004/112356 A1

(51) International Patent Classification⁷: H04B 1/40

H04M 1/02.

(21) International Application Number:

PCT/IB2003/002244

(22) International Filing Date: 12 June 2003 (12.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JOSENHANS, Michael [DE/DE]; Hellweg 42, 45721 Haltern (DE). AHLAND, Andreas [DE/DE]; Schliekhege 47, 48308 Senden (DE).
- (74) Agent: KURIG, Thomas; Becker, Kurig, Straus, Bavariastrasse 7, 80336 Munchen (DE).

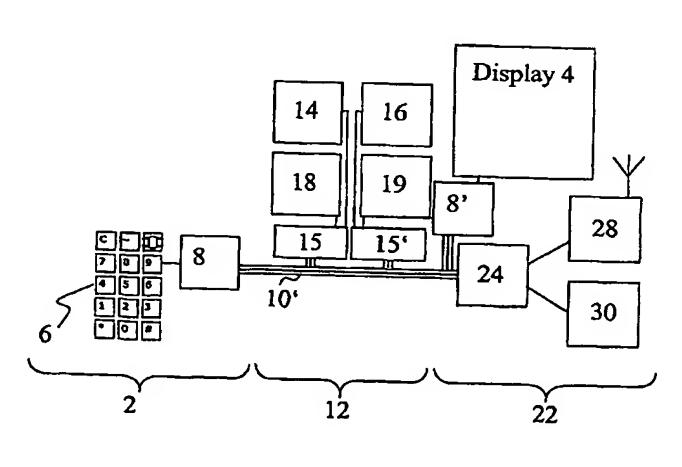
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MOBILE COMMUNICATION DEVICE COVER AND METHOD FOR ITS OPERATION



(57) Abstract: The present invention relates to a portable radio communication device having an exchangeable cover. Specifically the invention relates to system of a mobile phone to provide multiple functionality and user interoperability to a mobile terminal device. The present invention provides a mobile communication device cover comprising a keyboard and a cover processor. The keyboard and said cover processor are interconnected. The cover is characterized by a bus interface, for connecting said cover processor to a mobile communication module, wherein said bus interface is adapted to operate with a plurality of mobile communication modules.

WO 2004/112356 A1